

DATA SHEET

SuperMount® Permanent Aqueous Mounting Medium

Cat. Nos. HK079-5K, HK079-7K & HK079-9K

Doc. No. HK079, Rev. No. F
Date of Release: 18-Mar-21

Reagents Supplied

One of the following:

HK079-5K (15 ml)	SuperMount® Permanent Aqueous Mounting Medium
HK079-7K (50 ml)	SuperMount® Permanent Aqueous Mounting Medium
HK079-9K (100ml)	SuperMount® Permanent Aqueous Mounting Medium

Storage

Store at room temperature. This product can be stored at temperatures as low as 4°C, but should be brought to room temperature before use.

Intended Use

These products are General Purpose Reagents, suitable for diagnostic histopathology, laboratory and research use.

for dehydrating or clearing in alcohol or xylene, by using Permout® or other resinous organic-based media.

Introduction

SuperMount® (U.S. Patent No. 5,492,837) is a universal mounting medium. It is suitable for slide-mounting of all biological specimens for microscopic evaluation and indefinite storage.

Specifically designed to meet the mounting needs of the histology laboratory, this permanent, aqueous-based mounting medium is compatible with most aqueous and organic-soluble dyes and chromogens, and its customized refractive index yields greater transparency and clarity of specimens to be examined under the microscope.

When applied in a thin coat and allowed to harden, SuperMount® forms a transparent coating that permanently preserves stained tissue sections for long-term storage; the stained sections can then be directly examined under a microscope or stored indefinitely. If desired, a coverslip can also be applied, without the need

Description

SuperMount® is compatible with most chromogens commonly used in immunohistochemistry and *in situ* hybridization including AEC, DAB, Fast Red, New Fuchsin, and BCIP/NBT. SuperMount® is also compatible with specimens stained with fluorescent dyes, including rhodamine, fluorescein, Texas Red, and even with phycoerythrin and its related derivatives such as phycocyanin and allophycocyanin. SuperMount® can also be used for the mounting of special stain such as Fat Stain. Oil Red O. (Note: SuperMount® is not recommended for use with Nuclear Fast Red, eosin, or Methyl Green, as color may fade during long-term storage).

SuperMount® can be used for the mounting of all biological specimens, including stained tissue sections, cytopsin preparations, and blood smears. This mounting medium can be used in laboratory settings without a fume hood.

General Purpose Reagent suitable for diagnostic histopathology, laboratory and research use.

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Purchase of this product includes permission to practice U.S. patents No. 5,492,837.

Method Of Use

1. Remove slides from deionized water and, without further drying, apply 2-4 drops of SuperMount® to the tissue or cell specimen. Tilt and rotate the slides to fully cover the tissue or cell specimen and the area surrounding the tissue.
2. Place the slides in a horizontal position and allow the tin coating of SuperMount® to harden. SuperMount® can be hardened at room temperature, or more quickly if using an oven: please consult the following schedule of suggested times and temperatures for best results, Note: Do not use oven heating when mounting fluorescent-stained specimens.

<u>Temperature</u>	<u>Time for Shell to Harden</u>
80°C	10-15 min
60°C	15-30 min
37°C	1-2 hours
Room temperature	8 hours- overnight

3. If oven is used to harden the SuperMount® coating, allow the slides to cool to room temperature. The slides are now ready for microscopic examination and storage.
 4. If desired, a coverslip can be applied onto the hardened SuperMount® surface using any adhesive agents, such as Permout or other organic-based mounting media. No dehydration or clearing of the tissue specimens is alcohol or xylene is necessary when using Permout or other organic-based mounting media. To fix the coverslip, simply add a drop of the adhesive onto the hardened SuperMount® surface and apply the coverslip.
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Removal Procedure

If desired, SuperMount® can be easily removed by immersing the slides in a Coplin jar filled with distilled water for 15-30 minutes at room temperature or 5-10 minutes at 40-60°C.
